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PTO/SB/21 (03-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/656,732
	Filing Date	September 4, 2003
	First Named Inventor	Manning
	Art Unit	2811
	Examiner Name	J. Fenty
Total Number of Pages in This Submission	Attorney Docket Number	MI22-2608

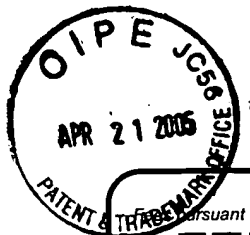
ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to a Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO-1449; Return Receipt Postcard; Cited References(11)
Remarks Additional Enclosure: A \$180.00 Check EV549572118		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual	David G. Latwesen Ph.D., Reg. No. 38,533 Wells St. John, P.S.
Signature	<i>[Signature]</i>
Date	4/21/05

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as express mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 4-21-2005	
Typed or printed	Jim Tidrick
Signature	<i>[Signature]</i>
Date	4/21/05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Effective on 12/08/2004. Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
FEE TRANSMITTAL For FY 2005		Application Number	10/656,732
		Filing Date	9/4/2003
		First Named Inventor	Manning
		Examiner Name	J. Fenty
		Art Unit	2811
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	MI22-2608
TOTAL AMOUNT OF PAYMENT	(\$)	180.00	

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 23-0925 Deposit Account Name: Wells St. John, P.S.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims _____ **Extra Claims** _____ **Fee (\$)** _____ **Fee Paid (\$)** _____

_____ - 20 or HP = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims _____ **Extra Claims** _____ **Fee (\$)** _____ **Fee Paid (\$)** _____

_____ - 3 or HP = _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	_____	_____ / 50 = _____ (round up to a whole number) x _____ = _____		

4. OTHER FEE(S)

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge): Supplemental Information Disclosure Statement	\$180.00

SUBMITTED BY		
Signature	Registration No. 38,533	Telephone 509-624-4276
Name (Print/Type) David C. Catwisen, Ph.D.		Date 4/18/05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. 10/656,732
Confirmation No. 4772
Filing Date September 4, 2003
Inventor..... H. Montgomery Manning
Assignee..... Micron Technology, Inc.
Group Art Unit..... 2811
Examiner J. Fenty
Attorney's Docket No. MI22-2608
Customer No. 021567
Title: Support For Vertically Oriented Capacitors During the Formation of a Semiconductor Device

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

References -- See Attached Form PTO-1449

In compliance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, your attention is directed to the United States patents and other references listed on the attached Form PTO-1449. No admission is made regarding whether all the submitted references are prior art.

EV549572118

Dated: _____

By: _____

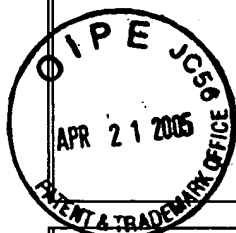
Respectfully submitted,

David G. Latwesen, Ph.D.
Reg. No. 38,533

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
MI22-2608SERIAL NO.
10/656,732LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT: H. Montgomery Manning

FILING DATE
September 4, 2003GROUP
2811

U.S. PATENT DOCUMENTS

*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	6,204,143	3/2001	Roberts et al.			
	AB	6,180,450	1/2001	Dennison			
	AC	5,340,763	8/1994	Dennison			
	AD	6,403,442	6/2002	Reinberg			
	AE	6,037,218	3/2000	Dennison et al.			
	AF	5,652,164	7/1997	Dennison et al.			
	AI	5,498,562	12/1996	Dennison et al.			
	AJ	5,401,681	3/1995	Dennison et al.			
	AK	5,605,857	2/1997	Jost et al.			

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	DE 4447804 C2	1/24/2002	Germany (Abstract)				X
	AM							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)

	AN		Banhart, <i>Aluminum Foams: On the Road to Real Applications</i> , MRS BULLETIN, pp. 290-295 (April 2003).
	AO		Gibson et al., <i>Cellular Solids</i> , MRS BULLETIN, pp. 270-274 (April 2003).
	AP		Green et al., <i>Cellular Ceramics: Intriguing Structures, Novel Properties, and Innovative Applications</i> , MRS BULLETIN, pp. 296-300 (April 2003).
EXAMINER		DATE CONSIDERED	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. MI22-2608	SERIAL NO. 10/656,732
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: H. Montgomery Manning	
		FILING DATE September 4, 2003	GROUP 2811

U.S. PATENT DOCUMENTS							
*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	5,705,838	1/1998	Jost et al.			
	AB	5,686,747	11/1997	Jost et al.			
	AC	5,702,990	12/1997	Jost et al.			
	AD	5,821,140	10/1998	Jost et al.			
	AE	5,900,660	5/1999	Jost et al.			
	AF	6,110,774	8/2000	Jost et al.			
	AI	2002-086479	7/2002	Reinberg			
	AJ	2002-090779	7/2002	Jang			
	AK	2002-163026	11/2002	Park			
	AL	2001-026974	10/2001	Reinberg			
	AM	2002-039826	4/2002	Reinberg			

EV 549572118

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)			
	AN		Green et al., <i>The Structure and Applications of Cellular Ceramics</i> , WEB EXTRA, 10 pages (April 2003).
	AO		Karp et al., <i>Scaffolds for Tissue Engineering</i> , MRS Bulletin, pp. 301-306 (April 2003).
	AP		Kraynik, <i>Foam Structure: From Soap Froth to Solid Foams</i> , MRS BULLETIN, pp. 275-276 (April 2003).
EXAMINER		DATE CONSIDERED	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

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		FILING DATE September 4, 2003	GROUP 2811

U.S. PATENT DOCUMENTS							
*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	11/006,331		Cern Basceri et al.			12/6/2004
	AB						
	AC						
	AD						
	AE						
	AF						
	AI						

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AJ							
	AK							
	AL							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)			
	AM		Maire et al., <i>In Situ X-Ray Tomography Measurements of Deformation in Cellular Solids</i> , MRS BULLETIN, pp. 284-289 (April 2003).
	AN		Oh et al., <i>Preparation and Pore-Characteristics Control of Nano-Porous Materials Using Organometallic Building Blocks</i> , 4 CARBON SCIENCE, No. 1, pp. 1-9 (March 2003).
	AO		Onck, <i>Scale Effects in Cellular Metals</i> , MRS BULLETIN, pp. 279-283 (April 2003).
EXAMINER		DATE CONSIDERED	
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*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AG						

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)			
	AH		Park et al., <i>Block Copolymer Lithography: Periodic Arrays of $\sim 10^{11}$ Holes in 1 Square Centimeter</i> , 276 Science, pp. 1401-1404 (May 30, 1997).
	AI		Tsukada et al., <i>Preparation and Application of Porous Silk Fibroin Materials</i> , 54 JOURNAL OF APPLIED POLYMER SCIENCE, pp. 507-514 (1994).
	AJ		"Novel Robust Cell Capacitor (Leaning Exterminated Ring Type Insulator) And New Storage Node Contact (Top Spacer Contact) For 70nm DRAM Technology And Beyond"; Park et al.;
			2004 Symposium on VLSI Technology Digest of Technical Papers; 7/2004; pp. 34-35.
	AK		PCT/US2004/027898; Filed: 8/26/2004; PCT Search Report mailed 2/28/2005; 4 pp.
EXAMINER		DATE CONSIDERED	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			